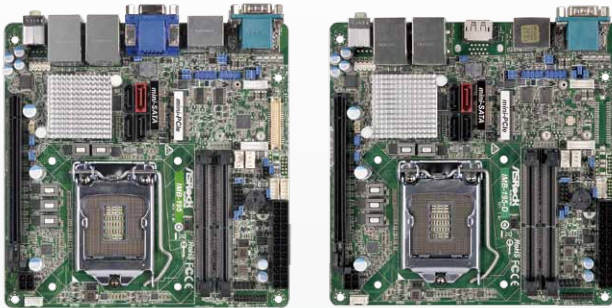


# IMB-195 / IMB-195-D

## Mini-ITX Motherboard

### Spotlight Features

- Socket LGA1151 for Intel® Core i7/i5/i3/Celeron (Skylake-S)
- Intel® Gen9 Intel® Graphics DX 11/12, OGL4.3/4.4
- Supports Dual Channel DDR4 2133MHz, 2 x SO-DIMM, up to 32GB system memory
- 1 x VGA, 1 x HDMI, 1 x Displayport (IMB-195)
- 1 x HDMI, 2 x Displayport (IMB-195-D)
- 4 xUSB 3.0, 4 x USB 2.0, 4 x SATA3
- 1 x Mini-PCIe, 1 x PCIe x16 Slot , 1 x mSATA
- Gigabit LAN : 2 x Intel LAN
- 1 x TPM Header
- ATX PWR Con (24+4-pin)



IMB-195



IMB-195-D

### Specifications

| Processor System | IMB-195  | IMB-195-D |
|------------------|--|-----------|
| Dimension        | Mini-ITX (6.7-in x 6.7-in)                                 |           |
| CPU              | Socket LGA1151 for Intel® Core i7/i5/i3/Celeron(Skylake-S) |           |
| Core Number      | (By CPU, Max 4)  |           |
| Max Speed        | (By CPU)   |           |
| L2 Cache         | (By CPU)   |           |
| Chipset          | Intel® H110  |           |
| BIOS             | UEFI   |           |

| Expansion Slot |   |
|----------------|---|
| PCIe           | 1 x PCIe x16 slot                                   |
| Mini PCIe      | 1 (half/full size, supports PCIe x1 and USB device) |
| M.2            | 0   |
| mSATA          | 1 (full size, shared SATA and USB device)           |

| Memory     |                           |
|------------|---------------------------|
| Technology | Dual Channel DDR4 2133MHz |
| Max.       | 32GB                      |
| Socket     | 2 x SO-DIMM               |

| Graphics      |  |
|---------------|--|
| Controller    | Intel® Gen9 Graphics DX 11/12, OGL4.3/4.4      |
| VRAM          | Shared Memory                                  |
| VGA           | Supports max resolution up to 1920 x 1200      |
| LVDS          | Supports max resolution up to 1920 x 1200@60Hz |
| eDP           | No   |
| HDMI          | Supports max resolution up to 4096 x 2160@30Hz |
| DVI           | No   |
| DisplayPort   | Supports max resolution up to 4096 x 2160@60Hz |
| Multi Display | Yes (Dual Display)                             |

| Ethernet   |                                  |
|------------|----------------------------------|
| Interface  | 10/100/1000 Mbps                 |
| Controller | 1 x Intel I219V, 1 x Intel I210" |
| Connector  | 2 x RJ45                         |

| SATA                   |                 |
|------------------------|-----------------|
| Max Data Transfer Rate | SATA3 (6.0Gb/s) |

| Rear I/O    | IMB-195                                  | IMB-195-D |
|-------------|--|-----------|
| VGA         | 1  | 0         |
| DVI         | 0  |           |
| HDMI        | 1  |           |
| DisplayPort | 1  | 2         |
| Ethernet    | 2  |           |
| USB         | 4 x USB 3.0                              |           |
| Audio       | 2 (Mic-in, Line-out)                     |           |
| Serial      | 2 x COM (1 x RS-232, 1 x RS-232/422/485) |           |
| PS/2        | 0  |           |

| Internal Connector  |                                     |     |
|---------------------|-------------------------------------|-----|
| USB                 | 4 x USB 2.0 (2 x 2.54 pitch header) |     |
| LVDS/inverter       | 1/1                                 | 0/0 |
| eDP                 | 0                                   |     |
| VGA                 | 0                                   |     |
| Serial              | 2 x COM (Supports RS-232 only)      |     |
| SATA                | 4 (one SATA shared with mSATA)      |     |
| mPCIe               | 1                                   |     |
| Parallel            | 0                                   |     |
| mSATA               | 1                                   |     |
| IrDA                | 0                                   |     |
| GPIO                | 4 x GPI + 4 x GPO                   |     |
| SATA PWR Output Con | 0                                   |     |
| Speaker Header      | 1                                   |     |

| Watchdog Timer |                                  |
|----------------|----------------------------------|
| Output         | From Super I/O to drag RESETCON# |
| Interval       | 256 segments, 0,1,2...255sec/min |

| Power Requirements |   |
|--------------------|---|
| Input PWR          | ATX PWR Con (24+4-pin)  |
| Power On           | AT/ATX Supported<br>AT : Directly PWR on as power input ready<br>ATX : Press button to PWR on after power input ready |

| Environment           |            |
|-----------------------|------------|
| Operating Temperature | 0°C – 60°C |